L Number	Hits	Search Text	DB	Time stamp
2	965	replicon and cap	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/28 15:10
3	25	replicon same cap	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/28 15:02
4	205	replicon and cap and (VEE or SFV or Sindbis or sin)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/28 15:04
5	23	replicon and (helper same cap) and (VEE or SFV or Sindbis or sin)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/28 15:05
6	58	replicon and uncapped	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/28 15:11
7	18	replicon and uncapped and (VEE or sin or sfv or sindbis)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/28 15:11
-	5502	replicon	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 11:56
-	133	(alphavir$ or (alpha adj vir$)) same replicon	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 11:56
-	22638	helper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 11:57
-	42	((alphavir$ or (alpha adj vir$)) same replicon) same helper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 13:39
-	4	alphaviral adj replicon	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 12:50
-	562	rayner.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 13:41
-	10	kamrud.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 16:54
-	23675	ionic adj strength	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 16:55
-	205	(ionic adj strength) same virus	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 16:56
-	106	((ionic adj strength) same virus).ab,bsum.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 17:49
-	7882	johnston.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 17:49

-	4	michael adj3 johnston.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 17:50
-	6	johnston-michael-d.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 17:51
-	5	johnston-michael-denis.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/29 17:51
-	0	("5204257A").PN.	USPAT	2004/04/30 08:56
-	1	("5204257").PN.	USPAT	2004/04/30 09:00
-	1	("6267967").PN.	USPAT	2004/04/30 11:02
-	5	("3985615" | "5024836" | "5360736" | "5447859" | "5607852").PN.	USPAT	2004/04/30 09:00
-	1	("5185440").PN.	USPAT	2004/04/30 11:34
-	1	("5643576").PN.	USPAT	2004/04/30 12:43
-	146	(424/218.1).CCLS.	USPAT	2004/04/30 12:45
-	412	alphavirus	USPAT	2004/04/30 12:46
-	25	((424/218.1).CCLS.) and alphavirus	USPAT	2004/04/30 12:47
-	442	(435/239).CCLS.	USPAT	2004/04/30 12:48
-	5	alphavirus and ((435/239).CCLS.)	USPAT	2004/04/30 13:49
-	3338	replicon	USPAT	2004/04/30 13:50
-	20679	electropo$	USPAT	2004/04/30 13:50
-	1766	replicon and electropo$	USPAT	2004/04/30 13:50
-	412	alphavirus	USPAT	2004/04/30 13:51
-	65	(replicon and electropo$) and alphavirus	USPAT	2004/04/30 13:55
-	3338	replicon	USPAT	2004/04/30 13:56
-	65	((replicon and electropo$) and alphavirus) and replicon	USPAT	2004/04/30 14:10
-	1	5185440.pn.	USPAT	2004/04/30 14:13
-	1	electropo$ and 5185440.pn.	USPAT	2004/04/30 14:17
-	1	5792462.pn.	USPAT	2004/04/30 14:18
-	677	venezuelan	USPAT	2004/04/30 14:18
-	1	5792462.pn. and venezuelan	USPAT	2004/04/30 14:18

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1648mxm

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	JUL 12	BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS
NEWS 4	AUG 02	IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS 5	AUG 02	CAplus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS 6	AUG 02	The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
NEWS 7	AUG 27	BIOCOMMERCE: Changes and enhancements to content coverage
NEWS 8	AUG 27	BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC
NEWS 9	SEP 01	INPADOC: New family current-awareness alert (SDI) available
NEWS 10	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS 11	SEP 01	New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS 12	SEP 27	STANDARDS will no longer be available on STN
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NEWS 14	OCT 28	KOREAPAT now available on STN

NEWS EXPRESS	JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 12:25:15 ON 28 OCT 2004

=> file medline

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 12:25:26 ON 28 OCT 2004

FILE LAST UPDATED: 27 OCT 2004 (20041027/UP). FILE COVERS 1950 TO DATE.

On February 29, 2004, the 2004 MeSH terms were loaded. See HELP RLOAD for details.

OLDMEDLINE now back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2004 vocabulary. See http://www.nlm.nih.gov/mesh/ and http://www.nlm.nih.gov/pubs/techbull/nd03/nd03_mesh.html for a description of changes.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s replicon and cap
          2841 REPLICON
          1132 REPLICONS
          3303 REPLICON
                 (REPLICON OR REPLICONS)
         15208 CAP
          4347 CAPS
         17808 CAP
                 (CAP OR CAPS)
L1          15 REPLICON AND CAP

=> dis ti 1-15

L1   ANSWER 1 OF 15     MEDLINE on STN
TI   Structural properties of a multifunctional T-shaped RNA domain that
     mediate efficient tomato bushy stunt virus RNA replication.

L1   ANSWER 2 OF 15     MEDLINE on STN
TI   In vitro replication of hepatitis E virus (HEV) genomes and of an HEV
     replicon expressing green fluorescent protein.

L1   ANSWER 3 OF 15     MEDLINE on STN
TI   Inhibitor RNA blocks the protein translation mediated by hepatitis C virus
     internal ribosome entry site in vivo.

L1   ANSWER 4 OF 15     MEDLINE on STN
TI   The regulation of hepatitis C virus (HCV) internal ribosome-entry
     site-mediated translation by HCV replicons and nonstructural
     proteins.

L1   ANSWER 5 OF 15     MEDLINE on STN
TI   Hepatitis C virus subgenomic replicons induce endoplasmic
     reticulum stress activating an intracellular signaling pathway.

L1   ANSWER 6 OF 15     MEDLINE on STN
TI   Genetic analysis of a poliovirus/hepatitis C virus chimera: new structure
     for domain II of the internal ribosomal entry site of hepatitis C virus.

L1   ANSWER 7 OF 15     MEDLINE on STN
TI   A stem-loop motif formed by the immediate 5' terminus of the bovine viral
     diarrhea virus genome modulates translation as well as replication of the
     viral RNA.

L1   ANSWER 8 OF 15     MEDLINE on STN
TI   Characterization of the initiation sites of both polarity strands of a
     viroid RNA reveals a motif conserved in sequence and structure.
```

L1 ANSWER 9 OF 15 MEDLINE on STN
TI Foot-and-mouth disease virus 3C protease induces cleavage of translation initiation factors eIF4A and eIF4G within infected cells.

L1 ANSWER 10 OF 15 MEDLINE on STN
TI Uncoupled expression of p33 and p92 permits amplification of tomato bushy stunt virus RNAs.

L1 ANSWER 11 OF 15 MEDLINE on STN
TI The -45 region of the Escherichia coli lac promoter: **CAP** -dependent and **CAP**-independent transcription.

L1 ANSWER 12 OF 15 MEDLINE on STN
TI Decoying the **cap**- mRNA degradation system by a double-stranded RNA virus and poly(A)- mRNA surveillance by a yeast antiviral system.

L1 ANSWER 13 OF 15 MEDLINE on STN
TI Evidence that the SKI antiviral system of Saccharomyces cerevisiae acts by blocking expression of viral mRNA.

L1 ANSWER 14 OF 15 MEDLINE on STN
TI Involvement of cell shape in the replication and segregation of chromosomes in Escherichia coli.

L1 ANSWER 15 OF 15 MEDLINE on STN
TI Mapping of the multiple regulatory sites for putP and putA expression in the putC region of Escherichia coli.

```
=> s cap helper
         15208 CAP
          4347 CAPS
         17808 CAP
                 (CAP OR CAPS)
         27790 HELPER
           962 HELPERS
         28522 HELPER
                 (HELPER OR HELPERS)
L2           0 CAP HELPER
                 (CAP(W)HELPER)

=> s cap and helper
         15208 CAP
          4347 CAPS
         17808 CAP
                 (CAP OR CAPS)
         27790 HELPER
           962 HELPERS
         28522 HELPER
                 (HELPER OR HELPERS)
L3          66 CAP AND HELPER

=> s l3 and (VEE or Sindbis or SFV)
           366 VEE
             1 VEES
           367 VEE
                 (VEE OR VEES)
          2081 SINDBIS
           968 SFV
            41 SFVS
           971 SFV
                 (SFV OR SFVS)
L4           1 L3 AND (VEE OR SINDBIS OR SFV)
```

=> dis ti

L4 ANSWER 1 OF 1 MEDLINE on STN
TI A cis-acting mutation in the **Sindbis** virus junction region which affects subgenomic RNA synthesis.

=> dis ti ibib abs

L4 ANSWER 1 OF 1 MEDLINE on STN
TI A cis-acting mutation in the **Sindbis** virus junction region which affects subgenomic RNA synthesis.
ACCESSION NUMBER: 90064787 MEDLINE
DOCUMENT NUMBER: PubMed ID: 2685355
TITLE: A cis-acting mutation in the **Sindbis** virus junction region which affects subgenomic RNA synthesis.
AUTHOR: Grakoui A; Levis R; Raju R; Huang H V; Rice C M
CORPORATE SOURCE: Department of Molecular Microbiology, Washington University School of Medicine, St. Louis, Missouri 63110-1093.
CONTRACT NUMBER: AI24134 (NIAID)
AI26763 (NIAID)
SOURCE: Journal of virology, (1989 Dec) 63 (12) 5216-27.
Journal code: 0113724. ISSN: 0022-538X.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198912
ENTRY DATE: Entered STN: 19900328
Last Updated on STN: 19980206
Entered Medline: 19891227
AB The synthesis of **Sindbis** virus minus-strand and genomic and subgenomic RNAs is believed to require specific cis-acting sequences or structures in the template RNAs and a combination of virus-specific proteins and host components which act in trans. A conserved sequence of about 21 nucleotides in the junction region and encompassing the start site for the subgenomic RNA has been proposed to function as the promoter on the minus-strand template for synthesis of the subgenomic RNA (J.-H. Ou, C. M. Rice, L. Dalgarno, E. G. Strauss, and J. H. Strauss, Proc. Natl. Acad. Sci. USA 79:5235-5239, 1982). We introduced a three-base insertion in this sequence, which also inserts a single amino acid near the COOH terminus of nsP4, in a cDNA clone of **Sindbis** virus from which infectious RNA transcripts can be generated. The phenotype of this mutant, called Toto1100CR4.1, was studied after RNA transfection of chicken embryo fibroblasts or BHK cells. The mutation leads to a drastic reduction in the level of the subgenomic RNA but does not alter the start site of the RNA. Probably as a consequence of depressed structural-protein synthesis, very few progeny virions are released and the mutant makes tiny or indistinct plaques even after prolonged incubation. The cis-acting effect of this mutation was demonstrated by incorporating either a wild-type or mutant junction region into a defective-interfering RNA and examining the relative synthesis of defective-interfering RNA-derived subgenomic RNA in vivo in the presence of wild-type **helper** virus. These results show that the junction region is recognized by yet unidentified viral trans-acting components for subgenomic RNA synthesis. When the Toto1100CR4.1 mutant was passaged in culture, plaque morphology variants readily arose. A total of 24 independent revertants were isolated, and 16 were characterized in detail. All revertants analyzed showed an increase in the level of subgenomic RNA synthesis. Sequence analysis of the junction region showed that all were pseudorevertants, with only two containing potentially compensating changes in the junction region. An assay was developed to identify revertants with second-site changes in trans-acting viral components involved in subgenomic RNA synthesis. At least two such revertants were

identified. Mapping of these and other second-site compensating mutations may provide genetic clues as to which virus-specific protein(s) is responsible for interaction with the conserved junction region to promote subgenomic RNA synthesis.

=>

---Logging off of STN---

Connection closed by remote host
END

Unable to generate the STN prompt.
Exiting the script...